

19980617.qrp v01_n125.qrs.980617

Date: Wed, 17 Jun 1998 19:05:34 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1125

QRP-L Digest 1125

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- 2) [13262] AD9850s
by Dan Puckett <dpuckett@erinet.com>
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by "JUNIUS B FOX" <w5hir@gte.net>
- 4) [13264] Re: Battery Free QRP
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- 5) [13265] FISTS & NORCAL Logo?
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- 7) [13267] Qrp on the air
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by herr@ridgecrest.ca.us (Michael Herr)
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- 16) [13276] RE: Loop vs. Dbl Bazooka
by aweiss@usd.edu (A. Weiss)
- 17) [13277] RE:lost *E* mail and call From Idaho
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- 18) [13278] Battery Free QRP?!?!
by Stephen Trier <sct@po.cwru.edu>
- 19) [13279] ZM-2 Updates !

- by ROYGREGSON@aol.com
- 20) [13280] Re: Qrp on the air
by Ab7wy@aol.com
- 21) [13281] Re: Simple Transverters
by Joachim Seibert <jseibert@hermes.desy.de>
- 22) [13282] Re: Qrp on the air
by w2bj@juno.com (Barry J Minsky)
- 23) [13283] Schurr paddle forsale
by Bill Nicolson <n2wf@erols.com>
- 24) [13284] For Sale: 20 meter SSB transceiver (converted Uniden CB)
by L188 <l188@mail.primary.net>
- 25) [13285] GAP Antennas
by "Douglas L Datwyler" <datwyler@aros.net>
- 26) [13286] Re: Zombies
by Jack Parker <Pparker@greatbasin.net>
- 27) [13287] Battery Free
by "Bryan Turner" <turnerw@email.uah.edu>
- 28) [13288] GAP Antennas
by "Ken & Linda Burrough" <ne0c@1st.net>
- 29) [13289] Visual feedback for handkey...
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- 30) [13290] 10 M Fox Hunt
by Derek Brown <DBrown@RFMD.com>
- 31) [13291] FS: LDG AT-11 AutoTuner -QRP
by "Brian K. Short" <bshort@speedchoice.com>
- 32) [13292] FS: OHR-100 20m Kit
by "Brian K. Short" <bshort@speedchoice.com>
- 33) [13293] PalmPilot Log Software?
by madams@facilities.buffalo.edu (Adams, Mark)
- 34) [13294] Re: PalmPilot Log Software?
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 35) [13295] FT743 xtal costs - what's the issue?
by David Feldman <dgf@netcom.com>
- 36) [13296] Re: FT743 xtal costs - what's the issue?
by "Vincent Ferme" <vferme@sprint.ca>
- 37) [13297] FS astron RS 35
by alan dawkins <alk0frp@earthlink.net>
- 38) [13298] WTB 6M xverter
by alan dawkins <alk0frp@earthlink.net>
- 39) [13299] Calling Ithaca NY
by "Marshall Emm" <mgemm@mtechnologies.com>
- 40) [13300] FT 243 crystals
by alan dawkins <alk0frp@earthlink.net>
- 41) [13301] Re: Battery Free QRP?!?!
by Tellefsen Bob-CNSE97 <cns97@lmpsil02.comm.mot.com>
- 42) [13302] FT243 crystals
by alan dawkins <alk0frp@earthlink.net>
- 43) [13303] Re: Visual feedback for handkey...

by "Marshall Emm" <mgemm@ntechnologies.com>
44) [13304] 160 Meter CW ANT. testing...
by Ed Loranger <we6w@qsl.net>
45) [13305] Follow up on visual hand key training
by Bill Jones <kd7s@psnw.com>
46) [13306] Re: GAP Antennas
by DENNISMO@aol.com
47) [13307] Re: CQC Aloha Site
by kh6b@juno.com (Dean W Manley)
48) [13308] Re: GAP Antennas
by Dale Botkin <dbotkin@probe.net>
49) [13309] Sierra - J310
by "John L. Sielke" <n4js@pobox.com>
50) [13310] Re: Sierra - J310
by "Hugo W. Catta" <hugo@banet.net>
51) [13311] MARINE INSTALLATIONS REFERENCE
by ARDUJENSKI@aol.com
52) [13312] Thank you
by RangerSF5@aol.com
53) [13313] OHR 500?
by ab5uacw@juno.com (Clifton W Sikes)
54) [13314] who what is Rv1 call?
by RangerSF5@aol.com
55) [13315] WAS help
by Al Moyle <moyle@essc.psu.edu>
56) [13316] J310-Q5
by n4js@pobox.com (John Sielke)
57) [13317] Re: power output measurement?
by Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
58) [13318] Need help on Mag Mount
by Chris Cole <CJCole@ames.net>
59) [13319] WTB: Ten Tec Tuner
by "Tim Cook" <timcook@erinet.com>
60) [13320] Re: 10 M Fox Hunt
by "John J. McDonough" <jjmcd@mdn.net>
61) [13321] Re: WAS help
by Ed <edn4pk@voyageronline.net>
62) [13322] WTB: T-T 4-pole SSB Filter for Argonaut
by k7sz@juno.com (Rick Arland)
63) [13323] Re: GAP Antennas
by "Terry Bassett" <mutabut@net66.com>
64) [13324] 2N2222 receiver- crystal filter output on an o-scope
by "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
65) [13325] Decimal coordinates again
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
66) [13326] OPERATING AIDS FOR A BLIND HAM
by Mike Duke <K5xu@cris.com>
67) [13327] Background Projects and applications.

by Ed Loranger <we6w@qsl.net>
68) [13328] 10M FOXHUNT
by Harry Bump <bump@redrose.net>
69) [13329] HW-8 Connector
by "Ron Polityka" <wb3aal@talon.net>

Date: Tue, 16 Jun 1998 16:47:21 -0700
From: gsurrency@juno.com (Gary L Surrency)
To: qrp-1@Lehigh.EDU
Subject: [13261] SW40+: Increasing the output power
Message-ID: <19980616.164721.10406.2.gsurrency@juno.com>

Watson,

The reply I sent to you bounced at this address:

wgabriel@duke-energy.com

So I'm copying this to the list in the hope that you'll get it and someone else may benefit from the information as well. None of these changes by themselves add that much to the output level, but when they are all added together the increased output level is significant. I hope this info is useful to those who are seeking the full QRP "gallon". ;-)

If less output is desired, the drive level control R24 may simply be used to reduce the output level and current consumption, as when operating portable and using battery power. The stability and output spectrum remains clean at any power level up to maximum, and the PA transistor barely warms up using the smallest heat sink that fits the T0-220 2SC2078 package.

I changed D13 from a 1N4001 to a 1N5819 schottky to reduce power supply drop.

I changed Q3 from a 2N3906 to a 2N4403 for less Vce drop. Keying looks better on the scope too, and it is the complement to the 2N4401, with higher hfe and Ic rating.

I used a MPS2222a from R/S for Q5. A very nice, low input pf, high gain version of the 2N2222a. Many of my QRP rigs have benefited from using this excellent device that is widely available from Radio Shack and consistently a good part.

I added one turn of wire to L4 to alter the low-pass filter slightly.

Chuck

Adams mentioned something about this in a SPICE posting. Adding a turn to L3 didn't help the output or spectral purity. L3's 16 turns are evenly distributed around the entire core just like L4's 17 turns.

Used original 2SC2078 for the PA, as the MRF476's I tried produced no increased output.

Used small heat sink on the PA, as the increased output did result in more heat to be dissipated. A very small one will fit without modifying the PA's placement or orientation, as Dave mentions in the manual.

Used a NTE5087A 43v zener for D12, since the stock 33v zener shunts too much power when running 4-5 watts.

Used a 105 pf S/M cap at C8 to get 7.000 to 7.050 Mhz freq. coverage. C7 is 10pf.

Also used a quality .001 uf 100 v disc for C38 in place of the small monolithic that was supplied in the kit. I checked all the caps in the low-pass filter with a AADE LCIIIB L/C meter to insure they were within spec.

No other changes, except I picked the highest gain 2N4401 that was in the kit and used it for Q4 following TX bandpass filter for maximum output. A lot of tweaking of the bandpass filters will achieve almost 6 watts into a 50 ohm dummy load as indicated on a OHR WM-1 wattmeter when powered from 13.8 volts DC.

I notice some heating of the collector choke, L2, so there is probably some room for improvement there also. Not sure if it is core heating or merely heating of the small diameter enamelled wire. Still have to investigate this. Obviously some power is being wasted if heat is present.

The rig has a very clean output signal and is less sensitive to antenna load changes than my NC40A is. Smooth QSK from the lil bugger too. ;-)

72 and good luck,

Gary Surrency AB7MY

S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D NC40A

QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

Gary Surrency AB7MY
S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D NC40A
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

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Date: Tue, 16 Jun 1998 20:41:17 -0400
From: Dan Puckett <dpuckett@erinet.com>
To: qrp-l@Lehigh.EDU
Subject: [13262] AD9850s
Message-ID: <358710AD.A78B4631@erinet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok gang,

I'm finally interested enough to plunk down some cash for an IC to built a DDS. The AD9850 seems to be the way to go. After calling a few places for prices, I'm discouraged. They all want \$250 min orders. Dan don't play that game. So, the question of the day is: Where does one buy said AD9850, in quantities of one, that doesn't want my first born for a down payment?

72, Bang bits ("Melt solder!" has already been taken.)
Dan

Date: Tue, 16 Jun 1998 19:42:46 -0500
From: "JUNIUS B FOX" <w5hir@gte.net>
To: <qrp-l@Lehigh.EDU>
Subject: [13263] Resuming service
Message-ID: <01bd9988\$d8b22f00\$a36afed0@w5hir.gte.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, after two weeks on vacation, I have tried to resume getting mail sent to me. I have tried every command that seemingly made sense to

me, and kept getting the request bounced. S0oooo,
I decided that the best thing to do was to resubscribe. Hope that
doesn't result in my getting two of everything. Any Ideas?

Foxy

w5hir@gte.net

If it ain't broke, don't mess with it!

Date: Tue, 16 Jun 1998 19:53:00 -0500
From: Chuck Carpenter <w5usj@webwide.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [13264] Re: Battery Free QRP
Message-ID: <3.0.1.32.19980616195300.00690a3c@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Mike and Group,

RFID is an interesting area of low power operation. I recently retired
from Amtech, one of the original manufacturers of battery free RFID
devices. I worked on several products using this principal which was
originally developed for animal management.

Most toll tags and other RFID devices are battery powered now. With the
need for more features including lots of memory for all kinds of data,
longer working range, and visual/audible indicators, the battery free idea
wouldn't work. There is a regulated limit to the EIRP allowed for these
900 MHz applications and it is definitely QRP.

72/73 -- Chuck, W5USJ, EM22cv

Date: Tue, 16 Jun 1998 20:54:05 -0400
From: "Mike Rhodes" <weightdn@bright.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13265] FISTS & NORCAL Logo?
Message-ID: <01bd998a\$6d759180\$LocalHost@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Does anyone have a .GIF or a URL for the FISTS and NORCAL logos? Need plain black and white file. Have checked the web pages and everything there seems to be colored in which makes them come out pretty poorly. Am trying to design a QSL with a number of logos and have found everything else unless someone knows if there is a SMIRK logo too. Thanks and 72 de

Mike / W8DN

Date: Tue, 16 Jun 1998 20:59:08
From: "K. Babcock" <casey@mufn.org>
To: qrp-1@Lehigh.EDU
Subject: [13266] oscilloscopes
Message-ID: <3.0.5.16.19980616205908.44672ab6@mufn.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I recently aquired a dual-trace 15 Mhz scope (bargain basement.) Can anyone tell me if this will be useful in RF construction/troubleshooting?

Thanks!
Kent Babcock, N8WVD

Date: Tue, 16 Jun 1998 20:14:38 -0500
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [13267] Qrp on the air
Message-ID: <199806170114.SAA16331@mailtod-121.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

Second contact with the mfj 9020 at 8pm.
Worked k7ge in Vancouver Wash and got a rst of 569, not bad for 5 watts
!!! Gee , if I can work Washington on 5 watts, maybe I can get across the pond!!!

Larry Ac5ez
Qcwa

Date: Tue, 16 Jun 1998 20:41:06 -0400
From: Richard Sherman <srichard@aldus.northnet.org>
To: qrp-l@Lehigh.EDU
Subject: [13268] Need help with Cushcraft A3S beam
Message-ID: <3.0.1.32.19980616204106.00889590@aldus.northnet.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,
I have a Cushcraft A3S beam that I would like to use for field day. Right now it's disassembled in my basement. I need to know the element spacings. If anyone has this info, I'd appreciate it greatly. Thanks in advance.
72 de Rick WZ2T NNY

srichard@northnet.org
---If you're not part of the solution,
You're part of the precipitate.---
Steven Wright

Date: Tue, 16 Jun 1998 22:08:18 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: //QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "+Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [13269] FS:DSP Timewave 599ZX
Message-ID: <199806162211_MC2-4069-7751@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Dear Gang:

Have For Sale my Timewave 599Z. It has only been used about 2 hours. Just after purchase I traded for an Omni VI with built-in DSP. So now the Timewave needs a new home.

This is a top of the line DSP which has received numerous accolades and positive reviews. Fantastic ability to reduce noise and cut heavy QRM. Suddenly the lowest HF bands are listenable even during the summer :-). Works with any rig. Can make all the difference in FOX- and DX-hunting.

Variable selectivity clear down to *10 hz*. Think of it!

Purchased the unit at Radio City In Minneapolis, MN. Original purchase price was \$380.00. Will sacrifice it for only \$285.00 which includes shipping to CONUS.

If interested, please let me know. Thanks in advance.

72/73,

--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Tue, 16 Jun 1998 22:18:51 -0500
From: Don Szenina <dszenina@bresnanlink.net>
To: qrp-1@Lehigh.EDU
Subject: [13270] RIT control for SW30+ kit
Message-ID: <3587359A.4705BCDB@bresnanlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm looking for an RIT mod for my SW30+. The circuit suggested in Paul Harden's Databook for the RIT appears to be essentially the tune circuit for the SW30+. Thanks for your help in advance.

Don Szenina N8HDT

Date: Tue, 16 Jun 1998 22:23:45 -0400
From: lprzyski <lprzyski@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13271] KR-50 Keyer
Message-ID: <358728B0.5755BB44@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

I picked up a Ten-Tec KR-50 Keyer at a recent hamfest, only one problem... It dit dit dits, but it can't 'say' "dah dah"... hi hi. Anyone have a schematic and ops info on this treasure? Tks in advance es 73 de Larry - K3PEG.

Date: Wed, 17 Jun 1998 01:39:21 -0400
From: "John J. McDonough" <jjmcd@mdn.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13272] Midland Swap
Message-ID: <199806170351.5912000@midland2.mdn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

If any of you plan to be in central Michigan this weekend, the annual Midland Swap & Shop will be held at the Midland County Fairgrounds this Saturday, June 20. There will be trunk sales weather permitting, as well as testing for that upgrade. Some tables are still available. Talk-in on 147.00+

This event supports the Midland Amateur Radio Club which is an amazingly active club, and, IMO, what a club should be. Almost every weekend there is some sort of public service event in which the club is involved. The club maintains stations at the county courthouse, the law enforcement center, the hospital, and the county emergency service vehicle. Whenever there is any sort of problem in the county, county or city officials page the amateurs to man these stations. Last week we had an overturned tanker of hydrochloric acid on the highway, and the officials at the site relied on amateurs, in preference to 'official' channels, for time-critical messages because they knew who could be relied on.

And yes, of course there will be a QRP station at Field Day!

72/73 de WB8RCR

Date: Tue, 16 Jun 1998 20:42:33 -0700 (PDT)
From: Huttinger <Huttinger@gv.net>
To: qrp-1@Lehigh.EDU

Subject: [13273] HW-7 mods
Message-ID: <199806170342.UAA05591@main.gv.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,

I just restored an HW-7 that I picked up at a ham swap. I want to do the RIT mod and put in a new receiver front end but am having difficulty obtaining two parts, one for the RIT mod and the other for the front end mod. These mods are reversible so there won't be any observable difference from the outside except for a hole in the front panel that was already there which I will make use of. The two parts are:

250 ohm potentiometer for RIT mod. The article says this is an Allen Bradley WA2G056S251UA.

MC1550G (or HEP 590) product detector for front end mod. Local supplier says this is discontinued.

Any help appreciated.

Worked a V7 on 40M the other night with my 1.6 watts to the antenna. Couldn't believe the other ham heard my answer to his CQ. He was running 70 watts. My first QSO outside of the country and QRP as well! Hope he QSLs. Great fun!

Mike Huttinger

Date: Tue, 16 Jun 1998 21:05:54 -0700 (PDT)
From: herr@ridgecrest.ca.us (Michael Herr)
To: qrp-l@Lehigh.EDU
Subject: [13274] Re:Simple Transverters
Message-ID: <v01530502b1add7add476@[208.138.142.110]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>For milliwatting with a very simple transverter, it would be convenient
>to use a high-level balanced or double-balanced mixer without any
>following amplifier. Are there mixers capable of delivering significant
>milliwatts at an inexpensive price? I'd be grateful for any suggestions.

>
>
>73, Dave KE9ED

Dave,

In a simple answer, yes they can operate at high levels. I've been playing around with a simple Bilateral xvtr on 6 meters with some success.

Basically I can pump in 2 watts of 14 mhz RF and get out about 1/2 watt on 50 mhz. I did not use a commercial mixer but rather a homebrew one from a magazine article. Still have some bugs and seems to be sort of hard of hearing but working on it as time permits.

72

Mike WA6ARA

Date: Tue, 16 Jun 1998 23:44:30 -0500 (CDT)
From: Adrian Weiss <aweiss@usd.edu>
To: QRP-L@fidoi.cc.lehigh.edu
Subject: [13275] RE: MM74C02N
Message-ID: <Pine.SOL.3.94.980616234311.21206B-100000@sunburst>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang:

My ancient handheld freq counter died and it appears to be the tiembae chip feeding the "store" and "clear" signals to the counter chip.

Anyone have a spare?

Tnx

72, Ade

Date: Wed, 17 Jun 1998 00:08:57 -0500
From: aweiss@usd.edu (A. Weiss)
To: qrp-l@fidoi.cc.lehigh.edu
Subject: [13276] RE: Loop vs. Db1 Bazooka
Message-ID: <199806170508.AAA22769@sunburst.usd.edu>

Hi:

The feedpoint of the loop can concentrate radiation at low angles. However, the reference for comparison is important. That low-angle lobe looks good when referenced to 0dBi. To actually make the low-angle gain roughly equal to a dipole at a half-wave height, the mean height of the loop has to be at least a half-wave. In other words, the actual low-angle gain of the

loop (I'm assuming a vertical loop) depends entirely on height above ground. The reason that the loop is so popular on the low band (160-80) is related. A 160 meter dipole at, say 75ft. radiates entirely upward, and at 40 degrees and below, virtually nothing (exaggeration). In contrast, a loop with the bottom 30-ft above ground, or even less, will actually radiate some power at low angles -- in comparison to the dipole, it will perform much better than the 160 dipole at 75ft.

As the mean height of the loop arrives at a half-wave on the higher bands, feeding at the corner to produce low-angle radiation does not significantly improve its DX performance over a dipole at a halfwave height. As both the loop and dipole heights increase above a halfwave height, corner feed becomes less significant as the horizontal component drops toward lower angles, as does the dipole's.

Date: Wed, 17 Jun 1998 01:14:42 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13277] RE:lost *E* mail and call From Idaho
Message-ID: <19ede903.358750c4@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

My secnd try
Someone from Idaho was nice enough to send me a unit for a project and my system went down.
I lost all saved mail and *E* mail that was stored.
I'm unable to snail mail as the return address was removed for what ever reason.
Positive the first name was NEIL and if your reading this,please *E* mail ASAP
Thank you
Bob
WA2HQQ

Date: Wed, 17 Jun 1998 01:36:14 -0400
From: Stephen Trier <sct@po.cwru.edu>
To: qrp-1@Lehigh.EDU
Subject: [13278] Battery Free QRP?!?!
Message-ID: <3.0.1.32.19980617013614.00945200@pop.cwru.edu>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It's funny this should come up at the moment. I've spent the last few days reading papers about RF powering.

There are some neat circuit ideas in the RFID and telemetry literature. These guys have to be fanatics about minimizing power consumption and circuit complexity. Many of their ideas would fit well in QRP rigs.

Range is a few meters at best for RFID, and those circuits run off of tens of microwatts of DC. The biomedical telemetry guys often get hundreds of milliwatts into implants, but the antennas are only centimeters apart, one on each side of the skin. Efficiency depends on the range and on how much automatic tuning is done to dynamically optimize the link. DC-to-DC efficiency of 25% is pretty common for implants. RFID efficiencies are much lower.

I haven't been able to come up with a practical use for RF powering in QRP, short of mounting a Smite subcutaneously. Note: I am not volunteering! My rigs are all labelled "for external use only". ;-)

73,
Stephen

--
Stephen Trier KG8IH
sct@po.cwru.edu

Date: Wed, 17 Jun 1998 01:39:39 EDT
From: ROYGREGSON@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13279] ZM-2 Updates !
Message-ID: <ae62ff39.3587569c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

As happens with any new product, Murphy....has to show his ugly head, and show us all that we are not infalliable !

On 30 meters, the LED does not go out, just dims slightly. This is possible because there are 2 ranges being tuned at once, and both will give an indication of tuning. Choose the one that is more in the Counter Clockwise direction. It is easy to miss because the tuning is so sharp ! C1 will be

about 5-6, and C2 will be at about 2-3.

Another problem is that the LED never does go out. Of course this can be from many things like a broken connection, bad solder joint, wired wrong. A few times, was the mis-winding of T2, where at the tap, the windings was reversed. WRONG, will not work. And, oh yes, the problem of not tinning the wire, not enough heat used.

OOPs! I think the last few ZM-2's were shipped with a wrong page in the manual. It is the page with the panel layout for drilling etc. Unfortunately it is for the ZM-1. If you have that page, let me know which address to send a new one to! Also, found a better way to fabricate the front panel which I'll include !

Thanks for the feedback !

72's
Roy

Date: Wed, 17 Jun 1998 02:15:57 EDT
From: Ab7wy@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13280] Re: Qrp on the air
Message-ID: <7946e677.35875f1f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Larry: The mfj9020 is a great little rig! if i may share some of my experiences with this rig, maybe the news is encouraging. from my old vegas qth i nailed all 50 states, all continents, 33 countries, 18 zones...AND busted a pileup on 5v7a during the WW contest. all with an inverted V from my apartment balcony (thank god i was on the second floor), all during a 1 1/2 year period. many times i was using an indoor dipole w/ no tuner....just rig and wire. this was using an mfj9020 and 9040. im in washington state now and ready to see what the mfj can do over the pole.....crossing the pond wont be a problem for you,hihi. 72 and have fun, Adam, AB7WY

Date: Wed, 17 Jun 1998 09:09:52 +0200 (MET DST)
From: Joachim Seibert <jseibert@hermes.desy.de>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13281] Re: Simple Transverters

Message-ID: <Pine.SGI.3.95.980617085858.9730B-100000@hermes.desy.de>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Microwatters!

In UKW-Berichte there was once an article concerning simple transverters. They used a IE500 diode ring mixer. I can't tell which exact year the article was published -- must have been somewhat like 1988 +/- 2 yr. What they did was the following: 2m feed into a attenuator (factor depending on input power) which is connected directly to the IE500. The other signal comes from a xtal oscillator (38.66 MHz) to a tripler stage. Outgoing signals only where filtered with a LC combination.

As long as I remember the output power was something like 10mW ... not to shure about this.

Best 72s Joachim, DL1GSJ

--

Joachim Seibert, DESY / HERMES
Notkestr. 85
D-22607 Hamburg, Germany
Phone: +49 40 8998 3983
FAX: +49 40 8998 4034
Mailto:Joachim.Seibert@desy.de

Date: Wed, 17 Jun 1998 05:41:11 -0400
From: w2bj@juno.com (Barry J Minsky)
To: ac5ez@webtv.net
Cc: qrp-l@Lehigh.EDU
Subject: [13282] Re: Qrp on the air
Message-ID: <19980617.062743.6590.1.w2bj@juno.com>

Hi Larry,
I recently worked France and two other European countries with 5 watts ot less. One was on 20 meters and the others on 30. Isn't QRP fun?
72/73,
Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701,
Knightlites, Adventure Radio Society #359,
Six Club #151, Quarter Century Wireless Ass'n #29298, Old Old Timers
Club #3723
Amateur Radio Missionary Service

On Tue, 16 Jun 1998 20:14:38 -0500 ac5ez@webtv.net (Larry B) writes:
>Second contact with the mfj 9020 at 8pm.
>Worked k7ge in Vancouver Wash and got a rst of 569, not bad for 5
>watts
>!!! Gee , if I can work Washington on 5 watts, maybe I can get across
>the pond!!!
>
>Larry Ac5ez
>Qcwa
>
>

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 17 Jun 1998 08:01:05 -0400
From: Bill Nicolson <n2wf@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13283] Schurr paddle forsale
Message-ID: <3587B001.30DD156C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, I have forsale a Schurr Profi Iambic Paddle. Hand made in Germany
Solid brass. origionally \$240 Looking for \$175 shipped to US.
tnx de bill n2wd@erols.com

Date: Wed, 17 Jun 1998 07:55:47 -0500
From: L188 <l188@mail.primary.net>
To: qrp-l@Lehigh.EDU
Subject: [13284] For Sale: 20 meter SSB transceiver (converted Uniden CB)
Message-ID: <3587BCD3.220F@mail.primary.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

approx 1.5 watts out barefoot (a 30 watt outboard amp is also included).
This rig covers 14165-14350 KHz in 15 channels (some gaps due to CB

channel spacing, gaps are:14200-14207, 14242-14258 and 14304-14310).
Clarifer varies both xmit and recv together for coverage around the
channel freq. It works great and makes a good mobile or portable rig
(requires less than 4 amps at 30 watts out). \$135 incl shipping in
US.

> > E-mail me for more info or photos.

Charlie WE0R, cbb3@juno.com or l188@primary.net

Date: Wed, 17 Jun 1998 06:56:26 -0600
From: "Douglas L Datwyler" <datwyler@aros.net>
To: <qrp-l@Lehigh.EDU>
Subject: [13285] GAP Antennas
Message-ID: <01bd99ef\$56862fb0\$8e19adcf@datwyler>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone use a GAP?

Technically, they sound good. Any real life adventures?

Douglas L Datwyler WR70
datwyler@aros.net

Date: Wed, 17 Jun 1998 06:32:31 -0700
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-l@Lehigh.EDU
Subject: [13286] Re: Zombies
Message-ID: <3.0.1.32.19980617063231.00690dc0@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:12 PM 6/16/98 -0700, you wrote:

>Robert P. Okas wrote:

>

>> Naw, It's the time of the season...

>

>Wonder how many caught on to this one?

>
>72 de Jim - AD6CW

>
>
>

I preferred to ignore it....too painful, given the fact that I was in broadcasting working as a Top-40 DJ when that was released and that it's been nearly 30 years;>)

BTW, for those who might remember the days when radio (and broadcasting in general) was *fun*, I just received my e-mail copy of the Portland SBE Newsletter and saddened to find that Robert W. Morgan (one of the KHJ "Boss Jocks") has died...apparently of cancer.

Jack, W7PW
(ex-WOKY, Milwaukee and WDHF, Chicago)

Date: Wed, 17 Jun 1998 08:30:53 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: mgipe@reliablemeters.com
Cc: qrp-l@Lehigh.EDU
Subject: [13287] Battery Free
Message-ID: <9806171330.AA17739@uahis1.uah.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7BIT

I've forgotten about the Amtech tags that are on railroad equipment. For those who haven't worked with this technology, you can see these little gray tags on cars and locomotives at frame level. Lineside scanners track cars and locomotives as they pass. UP and BNSF have public web pages that allow people to track equipment; NS and CSX have similar pages, but they are password protected. I think these tags operate in the 900 MHz band.
73 Bryan W8LN
<http://www.bnsf.com/cws/eqptrace/>
<http://my.uprr.com/pub/pet/>

Date: Wed, 17 Jun 1998 09:42:44 -0400
From: "Ken & Linda Burrough" <ne0c@1st.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [13288] GAP Antennas
Message-ID: <000301bd99f5\$e4e51ea0\$1fd633d1@ne0c.1st.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Douglas WR70 wrote:

Anyone use a GAP?

Technically, they sound good. Any real life adventures?

Hi Douglas

I have used the GAP Challenger since 1991 and can only say "IT WORKS". I currently have three GAP Antenna's, the Challenger, Titan and Voyager. All three work DX quite well but as is the case of any low angle antenna, they do not work well close in.

The SWR on all three is below 2 to 1 on all bands, the Voyager covers 75/80 meters, 3.5 to 4.0 Mhz under 2 to 1. I only use my antenna tuner to ease my mind when running QRO above 700 watts.

All GAP antenna's MUST BE GUYED! We had a Major thunderstorm here yesterday, high winds, trees down, roofs off and building walls down. My GAP antenna's got thru it, however the Challenger, guyed only in one place, is listing a few degrees to the EAST. It will be guyed in two places with eight guy ropes soon.

As with all antennas, GAP antennas work for me but the same antenna at a different location may not work. Also they are NOT an small lot antenna, they need room. Here at The Buzzard Roost I have 3.5 acres and my wife understands my hobby.

I hope this helped--72 from Flushing, Ohio---Ken/ne0c---QRP-L 1524

Date: Wed, 17 Jun 1998 10:36:00 EDT
From: fcs@juno.com (dick rood)
To: qrp-l@Lehigh.EDU
Subject: [13289] Visual feedback for handkey...
Message-ID: <19980617.103556.4839.0.fcs@juno.com>

>Several years ago I saw a piece of computer software that accepted

>input from a hand key and showed (graphically) the dot and dash lengths
>as well as the interelement spacing. It was designed to train operators
>to send keyer-like CW. Does anybody know where I can find this (or
>something similar)?

>=====

>Bill Jones - KD7S <><
>Sanger, California
><http://www.psnw.com/~kd7s>
>=====

In reply:

Some years ago (70's), I had an ATRONICS Code Reader. It used a unique single alpha/numeric readout tube to show the single audible, morse character

being input to the circuit. The spacing had to be quite good or there was incorrect response. I thought it to be an excellent "trainer" for spacing.

I wonder how many dusty units still exist out there.

dick, W2SCF, qrp-l no. 1613

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 17 Jun 1998 07:48:22 -0400
From: Derek Brown <DBrown@RFMD.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [13290] 10 M Fox Hunt
Message-ID:
<c=US%a=_%p=RF_Micro_Devices%l=PACHACUTEC-980617114822Z-6965@proxy1.rfmd.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Make me feel bad, real bad...tell me how many pelts you've collected.

But after you're done rubbing salt in the wound, please give me a break and tell me when the band's opening (UTC, please). I've been checking 10 M every afternoon when I get home from work and several times a day when I'm home on a weekend...haven't heard a thing...even checked the antenna several times to see if it was still airborne.

And, yeah, when I don't hear anything, I call CQ.

Could "my" problem be that little understood phenomenon, propagation?
[I was on the air during the last sunspot peak, I know how good it
can be...wonderful.]

72 de Derek, WF4I

Date: Wed, 17 Jun 1998 15:18:16 +0000
From: "Brian K. Short" <bshort@speedchoice.com>
To: qrp-1@Lehigh.EDU
Subject: [13291] FS: LDG AT-11 AutoTuner -QRP
Message-ID: <199806171515.IAA07076@mail.phoenix.speedchoice.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

FS: LDG AT-11 AutoTuner -QRP
LDG QRP automatic tuner (complete kit w/case) as recently
featured in QST, CQ, etc. Tunes automatically with any
radio and rated for up to 20w service. \$115 shipped.

(Antenna farm construction forcing sale.)

--
"Nostalgia is a thing of the past."
--
Brian Short k7on@qsl.net <http://www.qsl.net/k7on>
(602)839-3484 1994 E Laguna Dr Tempe, Az 85282
--

Date: Wed, 17 Jun 1998 15:18:50 +0000
From: "Brian K. Short" <bshort@speedchoice.com>
To: qrp-1@Lehigh.EDU
Subject: [13292] FS: OHR-100 20m Kit
Message-ID: <199806171515.IAA07080@mail.phoenix.speedchoice.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

FS: OHR-100 20m Kit
Oak Hills OHR-100 20m QRP transceiver kit (complete).

\$80

--

"Nostalgia is a thing of the past."

--

Brian Short k7on@qsl.net <http://www.qsl.net/k7on>
(602)839-3484 1994 E Laguna Dr Tempe, Az 85282

--

Date: Wed, 17 Jun 1998 11:24:45 -0400
From: madams@facilities.buffalo.edu (Adams, Mark)
To: qrp-1@Lehigh.EDU ('qrp-1@lehigh.edu')
Subject: [13293] PalmPilot Log Software?
Message-ID: <1998Jun17.112300.1483.171141@facilities.buffalo.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Hi Gang,

I will be the recipient of a new PalmPilot soon and wonder if anyone has seen any logging software for this beast yet. My internet search has not been productive.

Thanks and 72,
Mark

Mark S. Adams
Facilities Engineer/Mechanical
119 John Beane Center
Buffalo, NY 14260-7300
716-645-6844 Fax 716-645-5923

Date: Wed, 17 Jun 1998 08:35:37 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <madams@facilities.buffalo.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13294] Re: PalmPilot Log Software?

Message-ID: <017d01bd9a05\$936118d0\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

PalmPilot ... logging software...

me too!

Date: Wed, 17 Jun 1998 08:53:46 -0700 (PDT)
From: David Feldman <dgf@netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [13295] FT743 xtal costs - what's the issue?
Message-ID: <199806171553.IAA12408@netcom7.netcom.com>

Are the holders scarce, or are xtals for ham freqs scarce, or is it difficult/expensive to have xtals made for these holders, or some combo of problems? I have an older QRP rig using this type of xtal and I'd like to find/make some but don't want to spend more on the xtals than the rig is worth!

73 Dave WB0GAZ dgf@netcom.com

Date: Wed, 17 Jun 1998 12:12:35 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [13296] Re: FT743 xtal costs - what's the issue?
Message-ID: <006b01bd9a0a\$beafe1b0\$201305d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is Phoenix, then renamed C-W Crystals still in business? This was the last company on QRP-L offering FT-243 xtals that I remember. Prices were very good, in my opinion.

They had 40 M xtals but by the time my order arrived they had included a flyer with other bands availability.

73 de Vince, VE3VFN.

Date: Tue, 16 Jun 1998 10:20:41 -0600
From: alan dawkins <alk0frp@earthlink.net>
To: qrp-1@Lehigh.EDU
Subject: [13297] FS astron RS 35
Message-ID: <35869B59.4AAF33F4@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Have RS 35 12v supply 25 anps cont 35 peak.
heavy 27 lbs w/o packing , I think I have the org box.

\$110 on qrp-1 before it goes to qro lists.

Al K0FRP

Date: Tue, 16 Jun 1998 10:20:53 -0600
From: alan dawkins <alk0frp@earthlink.net>
To: qrp-1@Lehigh.EDU
Subject: [13298] WTB 6M xverter
Message-ID: <35869B65.2B940CC2@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Want to buy a Ten Tec 6m xverter 2- 6m or hf to 6m. unbuilt kit half
built kit ready to run.

what is out there before I buy from TenTec

Al K0FRP

Date: Wed, 17 Jun 1998 10:22:39 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>

To: qrp-1@Lehigh.EDU
Subject: [13299] Calling Ithaca NY
Message-ID: <199806171620.KAA31262@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Any list members in Ithaca NY?

I've been elmering a house guest who is headed back to Ithaca and I need to find a "foster elmer" for him, or at least someone who can introduce him to the local scene, provide some encouragement towards his General, and maybe advise him on something more useful for HF than a random wire antenna.

He's Rob, KB3CRT, and he holds a Tech + license and has passed the General written exam and is real close to 13wpm. The main problem areas are that he is a poor college student living in typical off-campus student housing (room in big old house) and has no car. What he does have is a serious interest, focused on HF QRP, carefully nurtured by yours truly.

If you're in or close to Ithaca, and prepared to help, please drop me a line.

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
(303)752-3382
--

Date: Tue, 16 Jun 1998 10:24:46 -0600
From: alan dawkins <alk0frp@earthlink.net>
To: qrp-1@Lehigh.EDU

Subject: [13300] FT 243 crystals
Message-ID: <35869C4D.C35F4DC3@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

PR crystals in Iowa still will build them.
I got some for \$9.50 plus a buck shipping.
He is the cheapest I've found , He makes them in metal cans not the old
brown bakelite.
Al K0FRP

Date: Wed, 17 Jun 1998 11:27:14 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: turnerw@email.uah.edu
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [13301] Re: Battery Free QRP?!?!
Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C60F38A@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Bryan:
Some years ago I tried something along that line myself. Didn't work
for me, but I was trying to use just one crystal set both for power
pickup and listening.
Main problem was that the power detection circuit became a picket fence
intermod generator, with tremendous self-induced interference.

I would expect the scheme you described to work a little better, but
selectivity would still be needed to keep the intermod down.

73, Bob N6WG

Date: Tue, 16 Jun 1998 10:28:16 -0600
From: alan dawkins <alk0frp@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [13302] FT243 crystals
Message-ID: <35869D20.6362E3AC@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang adr for crystals made to order been in business 35 years
Peterson Radio
2735 Ave. A
Council Bluffs IA 51501
Al K0FRP

Date: Wed, 17 Jun 1998 10:50:04 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: fcsww@juno.com (dick rood), qrp-1@Lehigh.EDU
Subject: [13303] Re: Visual feedback for handkey...
Message-ID: <199806171647.KAA32070@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

>>there was incorrect response. I thought it to be an excellent "trainer" for
spacing. I wonder how many dusty units still exist out there.
<<

Any code reader is an excellent training device [g]. There's a Velleman
kit for around \$80 available from Tech America (<http://www.techam.com>).

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
(303)752-3382
--

Date: Wed, 17 Jun 1998 17:09:32 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13304] 160 Meter CW ANT. testing...

Message-ID: <3587F84C.4A4B@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

GM all,

I've been running a QRP OPEN Sked nightly for over a week now. Very little activity but some near misses. After a chat with Chuck/NJ7M last Saturday on 40M., I've been trying for him each morning from 1300Z to 1315Z. Finally heard his signal from Idaho here at my Central California/West coast QTH. Yes you can almost smell the ocean at night and definately hear the seagulls now and then.

Realize this is 2-way QRP CW on 160 Meters. I've been using the small TX/RX loop documented on my web page. I have worked QRP with it so I know it works, but it does seem to receive better than it transmits. Or does it?

Well, I just found out that the QRN on 160 is very bad most of the time. Yet I can hear the QRP guys trying to sked with me. Why, because the loop is fairly quiet. So the real problem is that most of the ops have trouble hearing my 5 Watts at THEIR location! Geesh. It was so quiet here with the loop I was beginning to wonder if the loop wasn't efficient enough -- You know the test. If you are constantly reporting 579 and receiving 559, maybe there's something weak on your end. (my xyl assures me there's nothing weak at my end :) LOL

Anyway, I have been hesitant to extol the virtues of this loop until I could be sure. I am. Yes, it is worth building and will give you contacts. The trick now is to improve efficiency so I can work QSO's where the antenna on the other end isn't a quiet loop.

For now the answer is: Build yourself a loop. Even just one of #28 AWG magnet wire for receive only. At least you will HEAR the qrp'ers. Shielded or unshielded? Literature is split on this issue but report that both work well. Take the easies route and get started. Experiment later with another type and form your own conclusions.

You can't have too many antennas if they are small! That's right. I'm building a receive-only loop so I don't accidently keep my separate receiver too close to the TX loop and blow the FET again.

Back to my original QSO lead in with NJ7M. I heard him and Called him right back -- blowing the FET out of the Sangean again :(. Don't worry, it is a 3 minute fix and I have more FET's (2N4393).

So will have to do it again tomorrow and build another rx-only loop or find a TR switch.... I'm going with the RX-Only loop since I can use it down into the BC band for some SWL DX listening.

Anyway, that's my latest report. Oh, almost forgot. Using the TX loop with end-fed wire seems to work. But you have to connect the end fed to one of the 6 tap points so you don't lower the loop 'Q'. I still haven't found room for a full 1/2 wave to connect so can't report for/against any success yet using the Short TX loop as a tuner. I believe it will be very successful.

All for now.

And I am reporting 6 QSO's (QRP) for International QRP day.

72 for now.
Smilin' =E^D

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Wed, 17 Jun 1998 10:12:27 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@Lehigh.EDU
Subject: [13305] Follow up on visual hand key training
Message-ID: <3587F8FB.E51DB24@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends,

What I remember was a program that prompted the user to send a letter, take "K" as an example. It would sound the character and then draw a dash, dot and another dash on the screen. Then, when you sent your own dash, dot and dash

it would draw them directly underneath the properly spaced elements.
You
could see the differences between perfectly formed characters and your
own
sending. Over time (and several characters) it would tell you that your

dashes were typically 24% too long or the spacing between elements was
15%
too short or whatever. The program would also "rate" your fist with
words
such as "heavy" or "run-together" etc. It was a very good program and I
wish
someone would write another one just like it.

I would volunteer to be a beta tester.

=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Wed, 17 Jun 1998 13:20:21 EDT
From: DENNISMO@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13306] Re: GAP Antennas
Message-ID: <e03e7134.3587fad6@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Douglas -

I agree with NE0C about guying the antennas. GAP says that the Challenger
doesn't need guy support, but they also say in the manual that it wouldn't be
a bad idea. I have mine guyed with three lines and it is just fine. Eight
guys might be a bit of an over kill for me here in the Goleta/Santa Barbara
area in CA.

I'm very happy with my GAP. My backyard isn't that big but I can stretch the
three (3) required counterpoise wires at 25 feet each without any problem.
Their angle from the mast is not critical according to GAP.

It covers all of the 40M-2M bands and with a cap. module connected at the top

it will cover 3.600 - 3.750 MHz. or the 75M phone band. The modules are only \$12.00 each so with an extra \$12.00 you can have both because the unit comes with one or the other as standard. In short, I really like mine. You can check out their website at:

[GAP Antenna Products, Inc.](http://www.gapantenna.com/)

They have printed an E-mail that I sent them a while back as a 'testimonial' to their service which is top notch. It's a fine business to do deal with.

gud luck -

72's de Denny AD6EZ <><
PROMISE KEEPER

FISTS #4570 / QRP-L #1359 / ARCI #9637 / sCQs #44 / 10-X #69158 / Six Club #242
HAMing It Up Everyday In Goleta, CA
Grid: DM04BK / WEB PAGE: <http://members.aol.com/dennismo>

Date: Wed, 17 Jun 1998 13:29:25 EDT
From: kh6b@juno.com (Dean W Manley)
To: qrp-1@Lehigh.EDU
Cc: kh6b@juno.com
Subject: [13307] Re: CQC Aloha Site
Message-ID: <19980617.072948.5391.0.kh6b@juno.com>

Greetings from the Land of Aloha.

I like your "Hawaiian Theme" for field day. We expect to do something similar, except we're doing it from a beach park in Hawaii. Please look for KH6AN 1A PAC (QRP battery powered), from Laupahoe Point Beach Park. Our friends in Kona are bragging about stew and rice for their main course on field day. Our menu is routine steak and lobster. :-) I'm wondering why a couple of good ops are coming from Kona to be with us this year?

Aloha, 72, 73,
Dean KH6B

"J. Medley" <jmedley@ix.netcom.com> wrote:

It's Q5, 3/4" East of the driver adj. trim-pot.
Good Luck!

72
Hugo
CX9AAK/W2

John L. Sielke wrote:

> Okay, I can accept abuse. I feel really stupid. I brought my Sierra in to
> work with me, to put the J310 in tonight (for which I am VERY grateful).
> BUT, I forgot the Sierra Manual, and which FET to replace. Can someone drop
> me a quick "hey, dummy" email and tell me?

>

> Thanks

>

> John L. Sielke n4js@pobox.com
> | \ | | | | _ | | / _ _ | n4js@qsl.net NJ Grid:FM29LN
> | . ' | | _ _ | | | | \ _ _ \ http://www.qsl.net/n4js
> | _ | \ _ | | _ | \ _ _ / | _ _ / NJ-QRP #57 QRP-L #884 QRP-ARCI
> G-QRP #9544 CQC CQrp Norcal #1989 AKQRP ARQrp QCWA FISTS #2781

Date: Wed, 17 Jun 1998 15:12:53 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [13311] MARINE INSTALLATIONS REFERENCE
Message-ID: <27357449.35881536@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

There recently was a short thread on MARINE INSTALLATIONS. I was doing some reasearch on the subject and fornd a valuable source of information. ICOM, which is only a short distance from my QTH, provided me with a copy of a publication entitled MARINE SINGLE SIDEBAND SIMPLIFIED by the world renowned Gordon West. Although written more for the layperson it is an excellent collection of good tips and general information. It is by far the best source I have found that discusses the maritime counterpoise issue, antenna selection, and system overview.
...de Alan KB7MBI

Date: Wed, 17 Jun 1998 16:05:23 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU
Subject: [13312] Thank you
Message-ID: <58d695f7.35882185@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang
I want to say thank you to paul,WA7MIG,and
ED,WE6W for their time and effort in helping me locate the right party.
I decided to post this as I feel credit should be given where it's due.
Sure nice to know that there so many hams on this reflector ready and willing
to help out.
Ham's helping Ham's,
Bob
WA2HOQ

Date: Wed, 17 Jun 1998 13:59:27 -0500
From: ab5uacw@juno.com (Clifton W Sikes)
To: qrp-l@Lehigh.EDU
Subject: [13313] OHR 500?
Message-ID: <19980617.135928.6686.3.ab5uacw@juno.com>

I've been off line for a few weeks, due to surgery. Has there been any
news of the pending OHR 500?

While here, I'll go ahead and make a pitch for the OKC Ham Holiday. The
dates are July 24-25, at the Ok. state fairgrounds. We will have several
tables, complete with QRP-ARCI banner and membership info. I realize this
is the same week end as Ft. Tuthill, but if you are in/around the central
part of the country, come join us and bring some goodies.

72,

Clif

Clifton Sikes AB5UA QRP-L #478
Earlsboro, Ok.
ab5uacw@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 17 Jun 1998 16:34:25 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13314] who what is Rv1 call?
Message-ID: <b79a7d8f.35882853@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I just worked France and yugoslavia then I heard a RV1AC calling CQ and the bands were deep with qsb but I got the rst and name but two failed tries on the qth.
He was calling CQ/Dx and a lot of Dx is rolling into him but not strong enough for me to make them out. Anyone have a clue in regards to thr RV1 station??
Location?
Bob
WA2HOQ

Date: Wed, 17 Jun 1998 16:36:51 -0400
From: Al Moyle <moyle@essc.psu.edu>
To: qrp-1@Lehigh.EDU
Subject: [13315] WAS help
Message-ID: <3.0.32.19980617163649.00960100@pop3server.essc.psu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I may get flamed for this one folks, but here goes. It looks as if I'm going to have to move to a QTH which is more than 50 miles from the current one and I'm 4 states short of completing my QRP WAS. Is anyone in South Dakota, Nebraska, Wyoming (a real long shot), and Washington willing to help out?

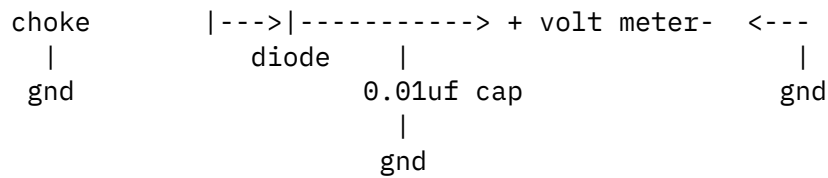
72,
Al N3KFL

Got it, Q5.....Now we'll see how it works! (Also will try the "J309 in Q2 mod")

A really easy way to do this is to use a diode (1N914 small signal or such) to rectify the RF. Use a 0.01 uF cap as a filter. From this you will get the peak voltage, less a small drop across the diode.

This works very well if used in conjunction with a 50 ohm load.

```
rig ----- antenna
      |           |
      |           |
```



If you want, instead of using a volt meter, you can just hook up a 100 au meter in series with a 220K resistor, and full scale will be 5w or around 22.5v peak. Or use a 1 ma meter and a 22K series resistor, same effect. You can calibrate the meter yourself using the above math. This of course assumes a matched 50 ohm, 1:1 swr antenna or dummy load.

- Dan Tayloe, N7VE, Phoenix, AZ QRPL # 696, Az ScQRPions

Gilbert Stauffer wrote:

```

>
> I've been reading the mail from this group for quite some time, and
> finally decided to plunge in and try QRP. I purchased and built a
> GM-20 transceiver kit which worked immediately on receive...and works
> well! However, I have yet to make a contact with it. While I can hear
> my signal in my station receiver, I don't have anything to measure
> output at the QRP level.
>
> Can you help me with suggestions? What do others use to measure QRP
> (1.5 watts) power output/SWR? Should I homebrew or is there a good kit
> I could purchase and build?
>
> Gil Stauffer
> WB3ESR
> gstauffe@ix.netcom.com
>
>

```

```

Date: Wed, 17 Jun 1998 16:09:31 -0600
From: Chris Cole <CJCole@ames.net>
To: qrp-l@Lehigh.EDU
Subject: [13318] Need help on Mag Mount
Message-ID: <35883E9A.C9EB93D0@ames.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

```


I have a Larson 2m-440mhz Band Antenna I have a Ft-8100R Mobile Rig from Yaesu. When I transmit with the Mag Mount the Microphone Sticks or something (It keeps Transmitting even when I relase the PTT) Can anyone help??

Chris
KC0DB0

Date: Wed, 17 Jun 1998 17:12:52 -0400
From: "Tim Cook" <timcook@erinet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13319] WTB: Ten Tec Tuner
Message-ID: <002b01bd9a34\$b0cc5540\$56785acf@timcook.erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looking for a Ten Tec model 227/228 tuner please email with details if you have something

Thanks
Tim
NZ8J

Date: Wed, 17 Jun 1998 17:36:23 -0400
From: "John J. McDonough" <jjmcd@mdn.net>
To: <DBrown@RFMD.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13320] Re: 10 M Fox Hunt
Message-ID: <199806172226.6076500@midland2.mdn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Derek Brown <DBrown@RFMD.com>; owner-qrp-1@Lehigh.EDU
>
> Could "my" problem be that little understood phenomenon, propagation?
> [I was on the air during the last sunspot peak, I know how good it
> can be...wonderful.]

I suspect not ... what I've seen is that so far, 10 acts a lot like most of the openings are sporadic E, which is ... well ... sporadic. I haven't

seen any real thyme or reason except that openings happen after the sun's been beating on the ionosphere for a bit. I've been watching the flux reports and so far not discerned a pattern. (Well, the other night I had a contact that was incredible raspy - I dunno if aourea occurs that low in frequency, but that's what it sounded like. But otherwise - it's been real spotty.

One thing that bothers me is that I've yet to hear any strong signals on 10 CW. I'd expect Es to be real strong, and even an F opening happening up there I'd expect strong signals out of. Frequently there are strong phone stations up the band, but that doesn't seem to translate to strong CW sigs.

Seems like folks are paying attention to Chuck's advice and hanging around off the calling frequency. Most of the activity seems to be around 040 or 050 - and it's real spotty. I tend to monitor around there while I'm reading the list - every so often somebody calls CQ and I interrupt my reading to call. I've had little luck calling CQ the past couple of weeks, although a few weeks back, that tack seemed more productive. I think more folks are stirring up the ionosphere lately.

72/73 de WB8RCR

Date: Wed, 17 Jun 1998 17:31:49 -0400
From: Ed <edn4pk@voyageronline.net>
To: moyle@essc.psu.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13321] Re: WAS help
Message-ID: <358835C5.DD1B20EC@voyageronline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Al, For a free air ticket and all expenses paid the YL and I will gladly travel to the Grand Tetons Park where I will activate Wyo for you. If you do'nt mind we also need kennel service for a week..hihihehe.....

Ed N4PK

Chickamauga, Ga. (jus 1 or 2 states sw of Wyo.....)

Date: Wed, 17 Jun 1998 17:22:36 EDT
From: k7sz@juno.com (Rick Arland)
To: qrp-1@Lehigh.EDU, tentec@contesting.com, tentec@qth.net

Subject: [13322] WTB: T-T 4-pole SSB Filter for Argonaut
Message-ID: <19980618.213526.6799.0.k7sz@juno.com>

Needed: standard 2.5 kHz 4-pole SSB filter found in stock
Argonaut model 509 and/or 515 transceivers.

Private e=mail, please.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 17 Jun 1998 16:42:43 -0500
From: "Terry Bassett" <mutabut@net66.com>
To: <datwyler@aros.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13323] Re: GAP Antennas
Message-ID: <002c01bd9a38\$f5b57d40\$b5538bce@host.net66.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang;

I just recently installed a GAP Titan (about a week ago). It works as advertised. Mine is set in concrete about 15 inches around and three foot deep with a ten foot (one and one quarter inch) galvanized pipe for a mast. This gives about seven foot of clearance for utility meter reader to walk under. There were 60 to 70 mph winds here in last couple days of storms and it is still standing -- unguyed. It does recieve some wind protection by virtue of the fact that I live in the center of town and have a six foot privacy fence nearby. I was concerned with possible interaction with the aluminum gutters, but upon checking it out there doesn't seem to be any major effect.

Dealing with the company was FB...my order was delayed a litle as they all packed up and went to Dayton. Can't blame 'em...I got the extra molded cap for 3900 and one for 3500. My only hitch was that they didn't mark which was which...So for now I have the 3900 in place even though my SSB rig is down and out...(My fault not theirs).

So, all appropriate disclaimers, etc... I paid full price and if I had it to do over again, I would.

73,

Terry KA9TXE

Date: Wed, 17 Jun 1998 16:53:06 -0500
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
To: qrp-l@Lehigh.EDU
Subject: [13324] 2N2222 receiver- crystal filter output on an o-scope
Message-ID: <358839EF.1672@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey QRPer's,

My job definitely got in the way and I had to set my 2N2222 transceiver project aside for the months of April and May. Obviously, I didn't win the 2N2222 design contest cuz I'm still trying to get my little rig to work, but I am making progress. Besides I am extremely stubborn and I AM GOING TO GET THIS THING TO WORK IF IT KILLS ME!

Here's where I need some help: I have the receiver front end designed and working up through a 4-pole Cohn type crystal filter at 4 Mhz. At least, I think it's working. When I mix a 3.040 VFO signal with a 7.040 signal from a signal generator (a crude one 2N2222 crystal oscillator type) in my double balanced diode mixer then into a wide-band post-mixer amp terminated in a 6 db pad, then into the filter, I get a nice clean sine wave at 4.00 Mhz coming out of the filter with about a .3 volt peak reading. So far so good.

Now, when I tune the VFO across the signal over a range of about 600 Hz and watch it on an o-scope, what I see is the peak voltage reading rise and fall between .2 volt to .3 volt about three different times. Since I can't yet "hear" my signal, I wonder what is going on? That seemed like a pretty large voltage change to me. Is this a ripple across the top of my crystal filter pattern???? Is this normal? Is it broken and needs to be fixed? If so, what is it? When I feed that signal into an IF amplifier to product detector to audio amp, won't I get a "warble" as I tune across the signal??? Admittedly, there is only about 200 Hz between dips so my old ears may not hear the change anyway ;-)

Tonight, I hope to work on the IF amplifier so I can feed an amplified signal into a double balanced diode mixer/product detector. I already

have the audio amp section working so it shouldn't be too long before I get to "hear something"... at least the signal-generator.

Since this is my first design attempt, I'm a real novice trying to learn as much as I can along the way and don't know enough to recognize what I'm looking at here. Any advice you can offer would be much appreciated.

I will say that I startled the heck of my XYL with a very loud WHOOOP about midnight last night when I finally got that nice sine waving coming out of the crystal filter. She's never gonna understand :-)

Thanks a bunch,

Gary, KJ5VW

Date: Wed, 17 Jun 1998 22:00:41 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [13325] Decimal coordinates again
Message-ID: <3.0.16.19980617220034.2effab2e@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Phyllis got me a GPS for use during our summer hikes through the Smokies. I know this subject came up a month or two back. What was the magic formula to convert Deg/min/sec to decimal? I'm dense, but it has something to do with dividing by 60, right? Maybe someone could point me to the proper qrp-l archive. Please reply to me, not the list!

Hope to work a few of you from the Smoky Mountains AT this August. And now I have a way to get back to the truck.

Thanks es 72 de rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Wed, 17 Jun 1998 18:40:02 -0400 (EDT)

From: Mike Duke <K5xu@cris.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13326] OPERATING AIDS FOR A BLIND HAM
Message-ID: <Pine.SUN.3.96.980617183819.26468A-100000@mariner.cris.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Someone recently posted questions about this subject. I read the message in a digest, and have mis-placed the address.

If you made that post and don't have your questions answered yet, please e-mail me privately.

Mike Duke, K5XU,
President,
Mississippi Council of the Blind
<http://www.prestridge.com/mcb/>

Date: Wed, 17 Jun 1998 22:52:52 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13327] Background Projects and applications.
Message-ID: <358848C4.1FCA@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I guess a true experimenter does many things to stay sharp. He/she needs to grasp knowledge in the general form and apply it daily -- solidifying ones understanding of the nature of things. My keyword is "IF-EL-PA" (Ifelpuh).

Identification
Function
Expectations
Limitations
Performance
Application

Seems simple. But what is 'Identification'? To one, a dime is 10 cents, currency for goods purchase. Yet others find it is an emergency screwdriver.

Then grasp what you have available, theoretically and test

expectations with functions. Rate limitations in Performance applications.

Back in 1987 I defined the six keywords above. I have yet to seek revision -- the definitions still work.

The qrp'er has done more with less. And I have recently finished 14 months with the same double-edged razor blade, shaving my beard thrice a week. Not an important bit of knowledge, but I do know 3 methods to increase the life of the double-edged blades. Depending on process, I get 2 weeks, 3 months or 12-14 months.

And the answers to other questions can be found through similar background processes. Not everything requires full-time research and vacation from family and friends.

Maybe YOU will find use number 1002 for Duct Tape. Just take QRP steps in the direction in question.

72/Ed

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Wed, 17 Jun 1998 19:00:31 -0400
From: Harry Bump <bump@redrose.net>
To: "'QRP-L list'" <qrp-l@Lehigh.EDU>
Subject: [13328] 10M FOXHUNT
Message-ID: <01BD9A22.5DA4F820@lebp1-24.desupernet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I know I'm slow, but just finished building the NC38S..... guess I'll have to 'hurry' the construction of my Small Wonder Labs GM-10 !

73, Harry, KM3D

Date: Wed, 17 Jun 1998 18:55:12 -0400
From: "Ron Polityka" <wb3aal@talon.net>

To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [13329] HW-8 Connector
Message-ID: <001701bd9a42\$fef48a40\$625445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Everyone,

I am posting this because I had several request for
the info. that I found on the connector for the HW-8.

The RS # 274-226 will fit the connector on the HW-8.
It is a little loose but it will work. I went and bought the
RS # 274-236 also, I replaced the old connector on the
HW-8. The new connectors have a small lock on them.
The total cost was under \$4.

Good Luck!
73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
http://www.kpsnet.com/wb3aal/Start_Page.htm
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309
Adventure Radio Society #380
Bumblebee #84

End of QRP-L Digest 1125

